

## **CLAIM LISTING**

1-11. (Cancelled).

12. (Previously Presented) A method for providing attestation in a server execution environment, comprising the steps of:

measuring one or more parts of a server execution environment such that measurements are taken which result in a unique fingerprint for each respective selected part; wherein the step of measuring further comprises the step of:

measuring code as the code is being loaded into memory and before execution of the code if the code was not measured before or if a measurement entry of the code is marked to have possibly changed since a last measurement where loading code into a system is performed only if a measurement value of code to be loaded is a member of a given set of measurement values and if an earlier measurement exists for the code and a new measurement is different, marking the earlier measurement as changed and adding the new measurement to a list, if an earlier measurement exists and a new measurement is the same as the earlier measurement, ignoring the new measurement and marking the earlier measurement entry as unchanged to avoid unnecessary measurements of the same code and to prevent multiple measurements for entries of the same code from being stored, wherein the measurements are stored in an order-preserving manner in a single list;

aggregating the unique fingerprints by an aggregation function to create an aggregated value; and

sending a measurement parameter which includes at least one of the unique fingerprints, and the aggregated value over a network interface to indicate a system status or state.

13. – 35. (Cancelled)